

Listing of the Claims

Claims that have been cancelled and those not entered are indicated with status only. The status of each claim is indicated as (Original), (Currently Amended), (Cancelled), (Withdrawn), (New), (Previously Presented) or (Not Entered).

1. (Currently amended) A power supply, comprising:

a mode setting unit for outputting a control signal according to a selected display mode;

an inverter control unit for selectively outputting a timing signal received from the outside according to the control signal from the mode setting unit; and

an inverter which is operated in either synchronous mode when the timing signal is received from the inverter control unit, and in or asynchronous mode when the timing signal is not received from the inverter control unit. ~~mode in response to the selectively output timing signal.~~

2. (Original) The power supply as claimed in claim 1, wherein the timing signal is a gate select signal or data clock signal.

3. (Original) The power supply as claimed in claim 1, wherein the timing signal is a vertical or horizontal synchronous signal.

4. (Currently Amended) A liquid crystal display device, comprising:

a liquid crystal module including a liquid crystal panel, a gate driving unit for delivering scanning signals to the liquid crystal panel, and a data driving unit for delivering image signals to the liquid crystal panel;

a timing controller for providing ~~the image signals input from the outside and a~~ timing signal used to control display of the liquid crystal module;

a mode setting unit for outputting a control signal according to a selected display mode;

an inverter control unit for selectively outputting the timing signal received from the timing controller according to the control signal from the mode setting unit;

an inverter which is operated in either synchronous mode when the timing signal is received from the inverter control unit, and in asynchronous mode when the timing signal is not received from the inverter control unit; ~~mode or synchronous mode in response to the selectively output timing signal;~~ and

a lamp which is operated at a relevant frequency according to the operation mode of the inverter.

5. (Original) The liquid crystal display device as claimed in claim 4, wherein the timing signal is a gate select signal or data clock signal.

6. (Original) The liquid crystal display device as claimed in claim 4, wherein the timing signal is a vertical or horizontal synchronous signal.

7. (Original) The liquid crystal display device as claimed in claim 4, wherein the mode setting unit is included in the timing controller.

8. (Currently Amended) A method of driving a liquid crystal display device, comprising the steps of:

- (a) outputting a control signal according to a selected display mode;
- (b) selectively outputting, by an inverter controlling unit, a timing signal received from the outside according to the control signal; and
- (c) driving, by an inverter, a lamp in either synchronous mode when the timing signal is input from the inverter control unit and in or asynchronous mode when the timing signal is not input from the inverter control unit according to the selectively output timing signal.

9. (Original) The method as claimed in claim 8, wherein the display mode is either moving-image or still-image mode.

10. (Original) The method as claimed in claim 9, wherein step (a) comprises the steps of outputting a first level control signal when the display mode is the moving-image mode, or outputting a second level control signal when the display mode is the still-image mode.

11. (Original) The method as claimed in claim 10, wherein step (b) comprises the steps of outputting the timing signal received from the outside when the second level control signal is applied, or not outputting the timing signal received from the outside when the second level control signal is applied.

12. (Original) The method as claimed in claim 8, wherein the timing signal is a gate select signal 2 or data clock signal.

13. (Original) The method as claimed in claim 8, wherein the timing signal is a vertical or horizontal synchronous signal.

14. (New) The power supply as claimed in claim 1, wherein the display mode is either a moving-image or a still-image mode.

15. (New) The liquid crystal display device as claimed in claim 4, wherein the display mode is either a moving-image or a still-image mode.

16. (New) The liquid crystal display device as claimed in claim 15, wherein the operation of the lamp is synchronized with the timing signal when the display mode is the still-image mode.